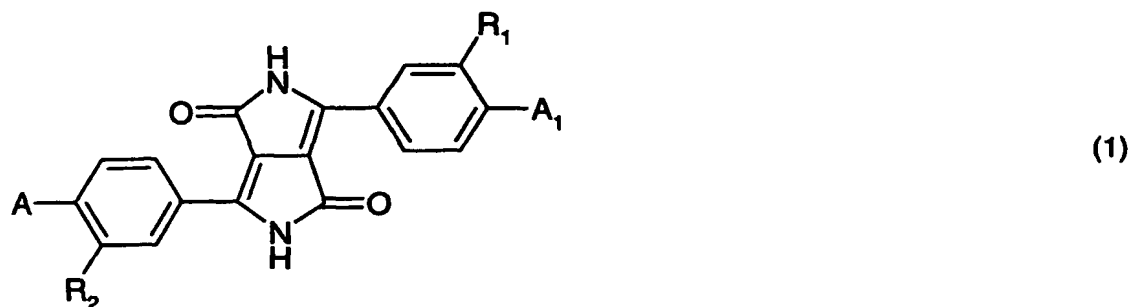


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What is claimed is:

1. A high-molecular-weight polymeric material comprising at least one diketopyrrolopyrrole pigment (DPP pigment) of formula



wherein

R_1 is hydrogen, chlorine, methyl, methoxy, CF_3 or CN, R_2 is hydrogen, chlorine, methyl, methoxy, CF_3 or CN, A is hydrogen, chlorine, methyl, methoxy, CF_3 , CN, unsubstituted or substituted phenyl or a radical of formula



wherein

R_5 is hydrogen, chlorine, methyl, methoxy, nitro, CF_3 or CN and R_6 is hydrogen, chlorine, methyl, methoxy, nitro, CF_3 or CN, or R_5 and R_6 together with the phenyl ring to which they are bonded form an aryl or a heteroaryl and A_1 is a radical of formula

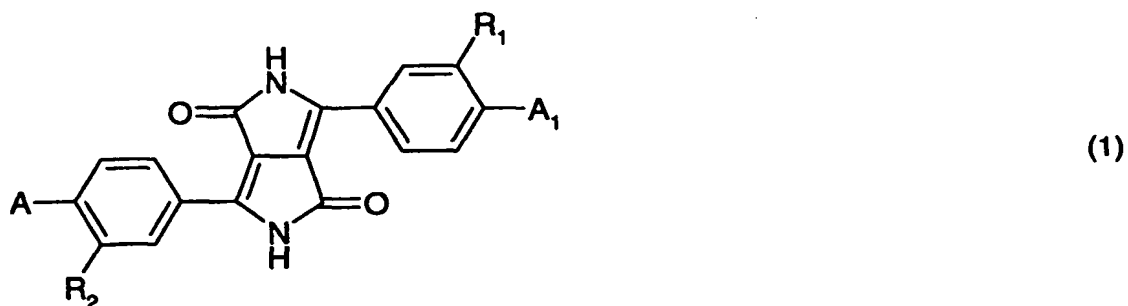
- 21 -



wherein

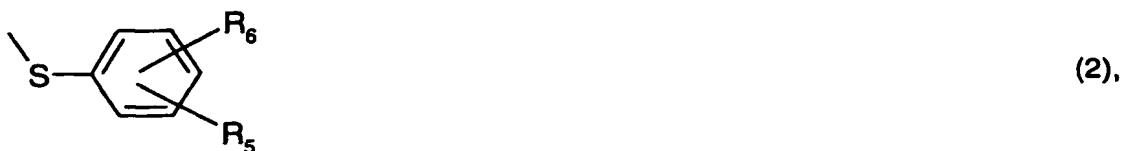
R_5 is hydrogen, chlorine, methyl, methoxy, nitro, CF_3 or CN and R_6 is hydrogen, chlorine, methyl, methoxy, nitro, CF_3 or CN, or R_5 and R_6 together with the phenyl ring to which they are bonded form an aryl or a heteroaryl.

2. A diketopyrrolopyrrole pigment of formula

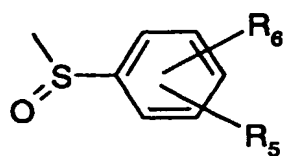


wherein

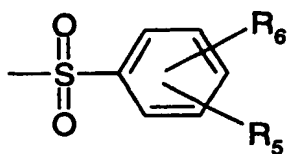
R_1 is hydrogen, chlorine, methyl, methoxy, CF_3 or CN, R_2 is hydrogen, chlorine, methyl, methoxy, CF_3 or CN, A is hydrogen, chlorine, methyl, methoxy, CF_3 , CN, unsubstituted or substituted phenyl or a radical of formula



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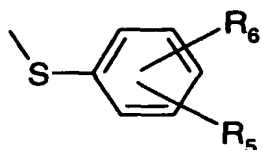
(2a) or



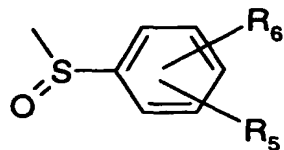
(2b),

wherein

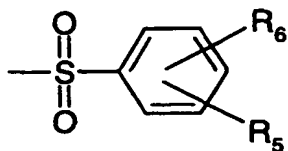
R_5 is hydrogen, chlorine, methyl, methoxy, nitro, CF_3 or CN and R_6 is hydrogen, chlorine, methyl, methoxy, nitro, CF_3 or CN, or R_5 and R_6 together with the phenyl ring to which they are bonded form an aryl or a heteroaryl and A_1 is a radical of formula



(2),



(2a) or



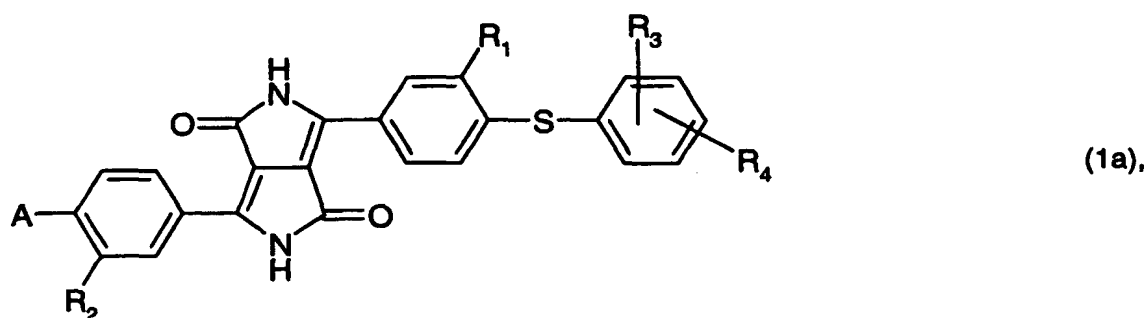
(2b),

wherein

R_5 is hydrogen, chlorine, methyl, methoxy, nitro, CF_3 or CN and R_6 is hydrogen, chlorine, methyl, methoxy, nitro, CF_3 or CN, or R_5 and R_6 together with the phenyl ring to which they are bonded form an aryl or a heteroaryl, with the proviso that, when both of A and A_1 are a radical of formula (2), R_5 cannot be hydrogen and R_6 cannot be methyl bonded in the 4-position.

3. A diketopyrrolopyrrole pigment according to claim 2 of formula

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wherein

R_1 is hydrogen, chlorine, methyl, methoxy, CF_3 or CN, R_2 is hydrogen, chlorine, methyl, methoxy, CF_3 or CN, R_3 is hydrogen, chlorine, methyl, methoxy and R_4 is hydrogen, chlorine, methyl, methoxy or R_3 and R_4 together with the phenyl ring to which they are bonded form a heteroaryl, and A is hydrogen, chlorine, methyl, methoxy, CF_3 , CN, unsubstituted or substituted phenyl or a radical of formula



wherein

R_5 is hydrogen, chlorine, methyl, methoxy, nitro, CF_3 or CN and R_6 is hydrogen, chlorine, methyl, methoxy, nitro, CF_3 or CN, with the proviso that, when A is a radical of formula (2), R_3 and R_5 cannot be hydrogen and R_4 and R_6 cannot be methyl bonded in the 4-position.

4. A process for the preparation of a diketopyrrolopyrrole pigment of formula (1) according to claim 2, which comprises first reacting a nitrile of formula



wherein R_1 is as defined above and X is a leaving group, with a compound of formula



or

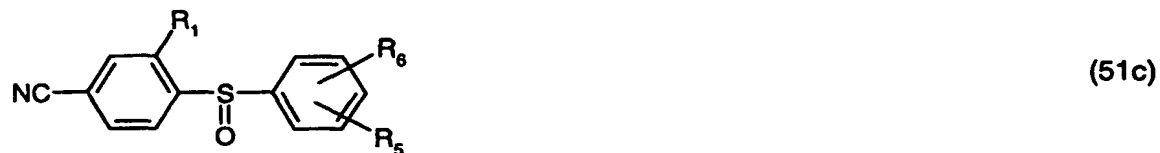
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wherein R_5 and R_6 are as defined above, and then with a succinic acid diester, or oxidising a compound of formula



resulting from the compounds of formulae (50) and (51) to a compound of formula



or to a compound of formula



and then reacting with a succinic acid diester,
or first reacting a mixture of two nitriles of formulae



and



wherein R_1 and R_2 are as defined above and X is a leaving group, with a compound of formula



or

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wherein R_5 and R_6 are as defined above, and then reacting with a succinic acid diester, or oxidising a mixture of compounds of formulae



resulting from the compounds of formulae (50), (52) and (51) to a mixture of compounds of formulae



or to a mixture of compounds of formulae

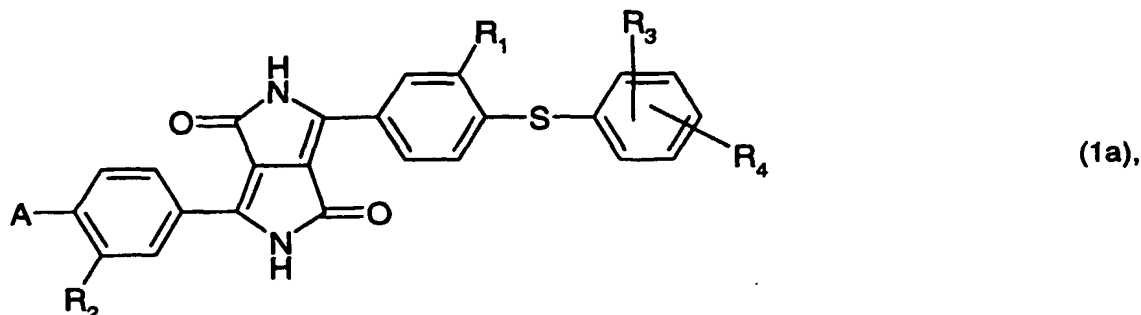


and then reacting with a succinic acid diester.

5. A high-molecular-weight polymeric material comprising at least one diketopyrrolopyrrole

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pigment according to claim 3 of formula



wherein

R_1 is hydrogen, chlorine, methyl, methoxy, CF_3 or CN, R_2 is hydrogen, chlorine, methyl, methoxy, CF_3 or CN, R_3 is hydrogen, chlorine, methyl, methoxy and R_4 is hydrogen, chlorine, methyl, methoxy or R_3 and R_4 together with the phenyl ring to which they are bonded form a heteroaryl, and A is hydrogen, chlorine, methyl, methoxy, CF_3 , CN, unsubstituted or substituted phenyl or a radical of formula



wherein

R_5 is hydrogen, chlorine, methyl, methoxy, nitro, CF_3 or CN and R_6 is hydrogen, chlorine, methyl, methoxy, nitro, CF_3 or CN.

6. A high-molecular-weight polymeric material according to claim 5, wherein, in formula (1a), R_1 is hydrogen, chlorine or methyl, R_2 is hydrogen, chlorine or methyl, R_3 is hydrogen, chlorine or methyl, R_4 is hydrogen, chlorine or methyl and A is hydrogen, chlorine, methyl or phenyl.

7. A high-molecular-weight polymeric material according to either claim 5 or claim 6, wherein, in formula (1a), A is a radical of formula (2) in which R_5 is hydrogen, methyl or methoxy and R_6 is hydrogen, methyl or methoxy.

8. A high-molecular-weight polymeric material according to claim 1, wherein the high-molecular-weight organic material is based on acrylates or methacrylates.

9. A process for the production of colour filters, wherein a diketopyrrolopyrrole pigment of

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formula (1) according to claim 1 is used.

10. A process for the production of colour filters, wherein a high-molecular-weight polymeric material according to claim 8 is used.

11. The use of a diketopyrrolopyrrole pigment of formula (1) according to claim 1 for the production of colour filters.

12. A colour filter produced with a diketopyrrolopyrrole pigment of formula (1) according to claim 2 or with a high-molecular-weight polymeric material according to claim 1.